



2005 "VOLUNTEERS WORKING WITH INVASIVES" GRANTS REPORT FORM

Display Report

PROJECT BACKGROUND INFORMATION

| | | |
|--|--|-----------------------------|
| Project Title: | Implementation of a comprehensive survey for invasive and other non-native plant species on the Tualatin River National Wildlife Refuge | |
| Region: | 1 | |
| Station: | Tualatin River NWR | |
| Contact Person: Name and Phone Number | Christopher Lapp 505-590-5811 | |
| Project Description: (Up to 250 words) | <p>The proposed project will use GPS and GIS technology to quantitatively determine species occurrence of non-native and invasive plants on refuge lands. Currently the refuge does not possess a comprehensive database to delineate and map invasive and other non-native plant species. Collection of baseline information is essential to monitor invasive species abundance, track rate of expansion, perform early detection of problem species that are in the process of invading the refuge, and evaluate control efforts. . The project will utilize trained volunteers from the refuge support group, Friends of the Refuge, and the Northwest Oregon Invasive Weed Management Partnership organization assigned to the weed management zone overlaying the refuge. Volunteers will be trained and supervised by the refuge biologist to identify and map invasive plant species using hand-held GPS units. Field data will be downloaded to develop a refuge GIS base map for monitoring and management of invasive species throughout the refuge utilizing The Nature Conservancy's Weed Information Management System (WIMS) database application. Volunteers will also assist in the development of an Integrated Pest Management (IPM) plan that will incorporate adaptive management techniques to control new invasions and the expansion of non-native and invasive species on the refuge. Funding will cover costs to purchase two hand-held computers to use with GPS units to collect field data. In addition, funding will cover costs for purchase of computer support software and the biologist's salary to implement the program and train volunteers in proper field data collection procedures.</p> | |
| List of Invasives Species Targeted: | Common Name | Scientific Name |
| | Scotch Broom | <i>Cytisus scoparius</i> |
| | English Ivy | <i>Hedera helix</i> |
| | Himalayan blackberry | <i>Rubus discolor</i> |
| | Japanese knotweed | <i>Polygonum cuspidatum</i> |
| | Poison hemlock | <i>Conium maculatum</i> |
| | Purple loosestrife | <i>Lythrum salicaria</i> |
| | Tansy ragwort | <i>Senecio jacobaea</i> |

| | | |
|---|----------------|------------------------|
| | Bull thistle | <i>Cirsium vulgare</i> |
| | Canada thistle | <i>Cirsium arvense</i> |
| Project Status: | InProgress | |
| Project Completion Date or Estimated Completion Date: (mm/dd/yyyy) | 09/01/2007 | |

VOLUNTEER INFORMATION

| | | |
|--|---|----------|
| Volunteer Affiliation: (Check all that apply) | VA_FriendsGrp | VA_Other |
| Volunteer Involvement: Describe the type of work the volunteers performed. (Up to 150 words) | | |
| Total Number of Volunteers: | | |
| Total Number of Volunteer Hours: | | |
| Partnerships: List both new and existing partnerships utilized in this project. (Up to 150 words). | Friends of Tualatin River National Wildlife Refuge, NW Oregon Invasive Weed Management Partnership, The Nature Conservancy. | |

PROJECT RESULTS

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| Project Results: Give an overview of the results of the project. Include quantifiable measure of success, such as maps produced, efficacy of control measures, number of sites where invasions were detected early and responded to, number of community contacts, etc. (Up to 250 words). | Held-held GPS units and software have been acquired and are being programmed to be utilized in the field. Volunteer recruitment and training has been completed. Mapping will begin in Spring/Summer of 2006. |
| Number of Acres Treated: | |
| Number of Acres Inventoried and/or Mapped: | |
| Number of Acres Restored: | |

BUDGET INFORMATION

Budget: Account for funds in broad categories such as equipment, volunteer stipends, travel, coordinator salary/contract, etc.

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|----------------------------|-------------|
| Total Grant Amount: | \$ 1,760.00 |
|----------------------------|-------------|

Breakdown of Expenditures:

| Category | Total \$ Spent | % of Total Grant |
|---------------------------------------|----------------|------------------|
| Equipment / Supplies | \$1,760.00 | 100 |
| Chemical | | |
| Biocontrol Agents | | |
| Travel | | |
| Volunteer Stipends | | |
| Volunteer Coordinator Salary/Contract | | |

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|-----------------------|------------|-----|
| Restoration Materials | | |
| Other | | |
| TOTAL | \$1,760.00 | 100 |

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| Recommendations: (OPTIONAL) How useful was this program for meeting refuge invasive species objectives and how can it be improved? | |
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